



|                         |                      |
|-------------------------|----------------------|
| <b>Product(s):</b>      | <b>Fabius GS</b>     |
| <b>Bulletin Number:</b> | <b>136</b>           |
| <b>Release Date:</b>    | <b>July 22, 2002</b> |
| <b>Pages:</b>           | <b>4</b>             |

**Subject: FABIUS GS - NEW SW VERSION 1.31**

Effective September 2002, all new Fabius GS units for the domestic market will be shipped with SW version 1.31. The new SW substantially enhances the performance of the Fabius GS in several areas and allows us to compete even more effectively against the Aestiva.

We are offering an upgrade package for the installed base of Fabius GS units. The package includes 2 hardware components (new ventilator cover and a new ventilator hose) as well as the new SW. The upgrade package is available under part #4117917 and carries a list price of \$2,200.00.

**KEY FEATURES OF SW 1.31**

Threshold Low Alarm

- A Service Menu allows this alarm to be enabled or disabled.
- The Factory Default will be Disabled.

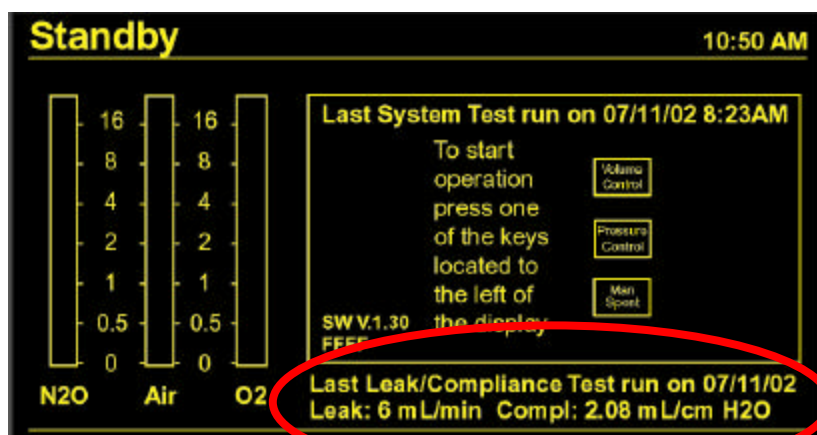
Vitalink Communication Protocol

- Data is imported into the Fabius GS in order to get gas analysis information from other devices.
- Expiratory flow and airway pressure waveforms are exported.

Leak/Compliance Test

- The leak test is substantially more intuitive, user friendly and more accurate.
- The determination of hose compliance is done during the leak test.
- Test results are displayed in the test screen and in the standby mode main screen.

| Standby              |                           | 10:50 AM               |          |
|----------------------|---------------------------|------------------------|----------|
| Leak Test            | COMPLETE                  |                        |          |
| System Compliance    | COMPLETE                  |                        |          |
| Ventilator Leak Test | PASSED                    | 6                      | mL/min   |
| Compliance Test      | PASSED                    | 2.08                   | mL/cmH2O |
| Date                 | Ventilator Leak<br>mL/min | Compliance<br>mL/cmH2O |          |
| 07/11/02             | 72                        | 2.12                   |          |
| 07/11/02             | 76                        | 2.12                   |          |
| 07/11/02             | 78                        | 2.13                   |          |



#### Compliance Compensation

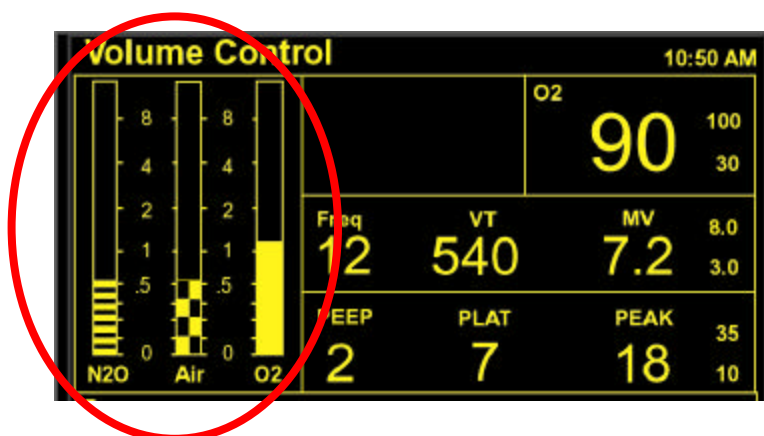
- Hose compliance compensation is done on a breath-by-breath basis.
- Volume is added to the dialed-in Vt in volume control so that the tidal volume delivered to the patient is equal to the Vt set.
- Monitored breaths are corrected so that only the volume delivered to the patient is displayed.

#### Linked Ventilator Settings

- This feature allows the operator to make a “bumpless” transfer from Volume Control to Pressure Control and vice versa.
- Settings and monitored data from the last active automatic mode are saved in the presets for the other automatic mode.
- Presets for Volume Control and Pressure Control can be made separately only while in Standby.
- Site defaults for Volume Control and Pressure Control can still be made separately.

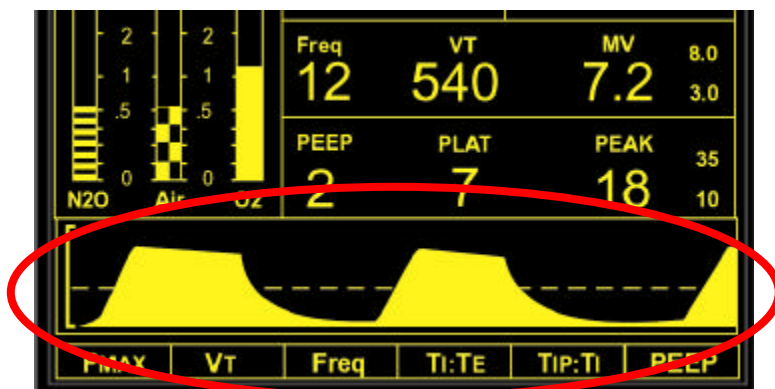
#### High Resolution Fresh Gas Measurement

- A Service Menu item allows this feature to be enabled or disabled.
- The Factory Default will be Disabled.
- When this feature is enabled the flow displays will switch automatically between standard and high resolutions based on the measured flow rate.
- The highest individual gas flow determines the resolution used for all gases.
- The standard virtual flow tubes are the same as in SW 1.20.
- The high resolution flow tubes have a range of 0 to 10 L/min with a significant portion of the tubes allocated to a low flow range.
- The standard LED displays are the same as in 1.20.
- The high resolution LED displays have a range of 0.00 to 9.99 L/min.



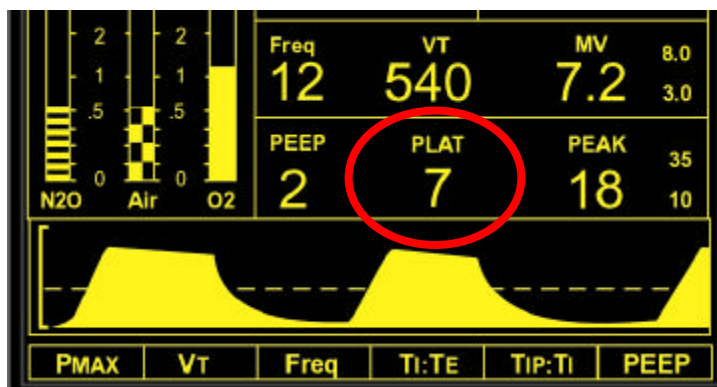
### Filled Pressure Wave Form

- A Standby menu item allows this feature to be enabled or disabled.
- The Factory Default will be Enabled.
- When enabled the real time pressure is displayed using a solid pattern to fill in the shape of the pressure curve.



### Plateau Pressure Display

- A Service Menu item allows this feature to be enabled or disabled.
- The Factory Default will be Enabled.
- When enabled the plateau pressure is displayed instead of the mean pressure.



#### Automatic Desflurane Compensation

- Gas analysis data provided by an external device is used by the Fabius GS to automatically compensate for Desflurane.
- The operation of this feature will be transparent to the operator.
- Operator-activated compensation is still available but has no effect while gas analysis data is available.

#### No Fresh Gas

- A Service Menu item allows this alarm to be enabled or disabled.
- The Factory Default will be Enabled.
- A new high priority alarm, "NO FRESH GAS" is displayed when no fresh gas is detected during any ventilation mode.



Please contact Jens Boy at ext. 2271 if you have any questions.